RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10| 8 28, 53|
Source: __IFWQ__
Date Processed by STIC: __8/13/04__

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 4.2 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
        http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION

SERIAL NUMBER: 10|828,531

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ___ Wrapped Nucleics
Wrapped Aminos

The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 ___ Invalid Line Length

The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 ___ Misaligned Amino
Numbering

The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 ___ Non-ASCII

The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 ___ Variable Length

Sequence(s)___ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 ___ PatentIn 2.0
"bug"

A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) ___. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 ___ Skipped Sequences
(OLD RULES)

Sequence(s) ___ missing. If intentional, please insert the following lines for each skipped sequence
(2) INFORMATION FOR SEQ ID NO X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION SEQ ID NO X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES " response to include the skipped sequences

8 ___ Skipped Sequences
(NEW RULES)

Sequence(s) ___ missing. If intentional, please insert the following lines for each skipped sequence
<210> sequence id number
<400> sequence id number
000

9 ___ Use of n's or Xaa's
(NEW RULES)

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents

10 ___ Invalid <213>
Response

Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species) <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 ___ Use of <220>

Sequence(s) ___ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 ___ PatentIn 2.0
"bug"

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 ___ Misuse of n/Xaa

"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC – Biotechnology Systems Branch – 09/09/2003
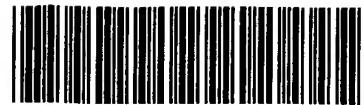
IFWO

RAW SEQUENCE LISTING   DATE: 08/13/2004
PATENT APPLICATION: US/10/828,531   TIME: 16:08:29

Input Set : A:\NASA00301.ST25.txt
Output Set: N:\CRF4\08132004\J828531.raw

```
 3 <110> APPLICANT: Atassi, M. Z.
 4         Morrision, D. R.
 6 <120> TITLE OF INVENTION: Molecular-specific Urokinase Antibodies
 8 <130> FILE REFERENCE: MSC-21947-1-CU
10 <140> CURRENT APPLICATION NUMBER: 10/828,531
11 <141> CURRENT FILING DATE: 2004-04-14
13 <160> NUMBER OF SEQ ID NOS: 17
15 <170> SOFTWARE: PatentIn version 3.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 15
19 <212> TYPE: PRT
20 <213> ORGANISM: Peptide
22 <400> SEQUENCE: 1
24 Arg Gly Lys Ala Ser Thr Asp Thr Met Gly Arg Pro Cys Leu Pro
25 1               5                   10                  15
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 15
30 <212> TYPE: PRT
31 <213> ORGANISM: Peptide
33 <400> SEQUENCE: 2
35 Arg Gly Lys Ala Ser Thr Asp Thr Met Gly Arg Pro Cys Leu Pro
36 1               5                   10                  15
39 <210> SEQ ID NO: 3
40 <211> LENGTH: 10
41 <212> TYPE: PRT
42 <213> ORGANISM: Peptide
44 <400> SEQUENCE: 3
46 Cys Arg Asn Pro Asp Asn Arg Arg Arg Pro
47 1               5                   10
50 <210> SEQ ID NO: 4
51 <211> LENGTH: 11
52 <212> TYPE: PRT
53 <213> ORGANISM: Peptide
55 <400> SEQUENCE: 4
57 Arg Asn Pro Asp Asn Arg Arg Arg Pro Trp Cys
58 1               5                   10
61 <210> SEQ ID NO: 5
62 <211> LENGTH: 10
63 <212> TYPE: PRT
64 <213> ORGANISM: Peptide
66 <400> SEQUENCE: 5
68 Cys Met Val His Asp Gly Ala Asp Gly Lys
69 1               5                   10
```

[Handwritten annotations:]

— Invalid Response (×5, next to each ORGANISM: Peptide entry)

Does Not Comply
Corrected Diskette Needed
(PJ·I-S)

← Mandatory,
<213> response
has to be
either artificial
unknown or
Genus/
Species.

↗ Please see item #10 for all errors above, on error summary sheet.

```
 72 <210> SEQ ID NO: 6
 73 <211> LENGTH: 9
 74 <212> TYPE: PRT
 75 <213> ORGANISM( Peptide )
 77 <400> SEQUENCE: 6
 79 Met Val His Asp Cys Ala Asp Gly Lys
 80 1               5
 83 <210> SEQ ID NO: 7
 84 <211> LENGTH: 13
 85 <212> TYPE: PRT
 86 <213> ORGANISM: Peptide
 88 <400> SEQUENCE: 7
 90 Tyr Arg Arg His Arg Gly Gly Ser Val Thr Tyr Val Cys
 91 1               5                    10
 94 <210> SEQ ID NO: 8
 95 <211> LENGTH: 11
 96 <212> TYPE: PRT
 97 <213> ORGANISM: Peptide
 99 <400> SEQUENCE: 8
101 Cys Phe Ile Asp Tyr Pro Lys Lys Glu Asp Tyr
102 1               5                    10
105 <210> SEQ ID NO: 9
106 <211> LENGTH: 12
107 <212> TYPE: PRT
108 <213> ORGANISM: Peptide
110 <220> FEATURE:
111 <221> NAME/KEY: Misc_Feature
112 <222> LOCATION: (4)..(6)
113 <223> OTHER INFORMATION: n = Anything
116 <400> SEQUENCE: 9
118 Ser Arg Leu Asn Ser Asn Thr Gln Gly Glu Met Lys
119 1               5                    10
122 <210> SEQ ID NO: 10
123 <211> LENGTH: 12
124 <212> TYPE: PRT
125 <213> ORGANISM: Peptide
127 <220> FEATURE:
128 <221> NAME/KEY: Misc_Feature
129 <222> LOCATION: (4)..(4)
130 <223> OTHER INFORMATION: n = anything
133 <400> SEQUENCE: 10
135 Ser Met Tyr Asn Asp Pro Gln Phe Gly Thr Ser Cys
136 1               5                    10
139 <210> SEQ ID NO: 11
140 <211> LENGTH: 24
141 <212> TYPE: PRT
142 <213> ORGANISM: Peptide
144 <400> SEQUENCE: 11
146 Leu Ile Ser His Arg Glu Cys Gln Gln Pro His Tyr Tyr Gly Ser Glu
```

[handwritten annotation:] "N"s CAN NOT be represented iN AmiNO Acid sequences.

[handwritten annotation:] "N"s CAN NOT be represented iN AmiNO Acid sequences.

SAME errors

Input Set : A:\NASA00301.ST25.txt
Output Set: N:\CRF4\08132004\J828531.raw

```
147 1               5                    10                  15
150 Val Thr Thr Thr Lys Met Leu Cys
151            20
154 <210> SEQ ID NO: 12
155 <211> LENGTH: 11
156 <212> TYPE: PRT
157 <213> ORGANISM: Peptide
159 <220> FEATURE:
160 <221> NAME/KEY: Misc_feature
161 <222> LOCATION: (7)..(7)
162 <223> OTHER INFORMATION: n = anything
165 <400> SEQUENCE: 12
167 Ser His Thr Lys Glu Glu Asn Gly Leu Ala Leu
168 1               5                    10
171 <210> SEQ ID NO: 13
172 <211> LENGTH: 7
173 <212> TYPE: PRT
174 <213> ORGANISM: Peptide
176 <400> SEQUENCE: 13
178 Pro Arg Phe Lys Ile Ile Gly
179 1               5
182 <210> SEQ ID NO: 14
183 <211> LENGTH: 10
184 <212> TYPE: PRT
185 <213> ORGANISM: Peptide
187 <400> SEQUENCE: 14
189 Arg Pro Arg Phe Lys Ile Ile Gly Gly Glu
190 1               5                    10
193 <210> SEQ ID NO: 15
194 <211> LENGTH: 10
195 <212> TYPE: PRT
196 <213> ORGANISM: Peptide
198 <400> SEQUENCE: 15
200 Leu Arg Pro Arg Phe Lys Ile Ile Gly Gly
201 1               5                    10
204 <210> SEQ ID NO: 16
205 <211> LENGTH: 411
206 <212> TYPE: PRT
207 <213> ORGANISM: Peptide
209 <220> FEATURE:
210 <221> NAME/KEY: Misc_feature
211 <222> LOCATION: (2)..(407)
212 <223> OTHER INFORMATION: n = anything
215 <400> SEQUENCE: 16
217 Ser Asn Glu Leu His Gln Val Pro Ser Asn Cys Asp Cys Leu Asn Gly
218 1               5                    10                  15
221 Gly Thr Cys Val Ser Asn Lys Tyr Phe Ser Asn Ile His Trp Cys Asn
222            20                   25                  30
225 Cys Pro Lys Lys Phe Gly Gly Gln His Cys Glu Ile Asp Lys Ser Lys
```

```
226          35                   40                   45
229 Thr Cys Tyr Glu Gly Asn Gly His Phe Tyr Arg Gly Lys Ala Ser Thr
230       50                  55                   60
233 Asp Thr Met Gly Arg Pro Cys Leu Pro Trp Asn Ser Ala Thr Val Leu
234 65                  70                   75                   80
237 Gln Gln Thr Tyr His Ala His Arg Ser Asp Ala Leu Gln Leu Gly Leu
238                85                   90                   95
241 Gly Lys His Asn Tyr Cys Arg Asn Pro Asp Asn Arg Arg Arg Pro Trp
242              100                  105                  110
245 Cys Tyr Val Gln Val Gly Leu Lys Pro Leu Val Gln Glu Cys Met Val
246          115                  120                  125
249 His Asp Cys Ala Asp Gly Lys Lys Pro Ser Ser Pro Pro Glu Glu Leu
250       130                  135                  140
253 Lys Phe Gln Cys Gly Gln Lys Thr Leu Arg Pro Arg Phe Lys Ile Ile
254 145                 150                  155                  160
257 Gly Gly Glu Phe Thr Thr Ile Glu Asn Gln Pro Trp Phe Ala Ala Ile
258              165                  170                  175
261 Tyr Arg Arg His Arg Gly Gly Ser Val Thr Tyr Val Cys Gly Gly Ser
262          180                  185                  190
265 Leu Ile Ser Pro Cys Trp Val Ile Ser Ala Thr His Cys Phe Ile Asp
266          195                  200                  205
269 Tyr Pro Lys Lys Glu Asp Tyr Ile Val Tyr Leu Gly Arg Ser Arg Leu
270       210                  215                  220
273 Asn Ser Asn Thr Gln Gly Glu Met Lys Phe Glu Val Glu Asn Leu Ile
274 225                 230                  235                  240
277 Leu His Lys Asp Tyr Ser Ala Asp Thr Leu Ala His His Asn Asp Ile
278              245                  250                  255
281 Ala Leu Leu Lys Ile Arg Ser Lys Glu Gly Arg Cys Ala Gln Pro Ser
282          260                  265                  270
285 Arg Thr Ile Gln Thr Ile Cys Leu Pro Ser Met Tyr Asn Asp Pro Gln
286       275                  280                  285
289 Phe Gly Thr Ser Cys Glu Ile Thr Gly Phe Gly Lys Glu Asn Ser Thr
290       290                  295                  300
293 Asp Tyr Leu Tyr Pro Glu Gln Leu Lys Met Thr Val Val Lys Leu Ile
294 305                 310                  315                  320
297 Ser His Arg Glu Cys Gln Gln Pro His Tyr Tyr Gly Ser Glu Val Thr
298              325                  330                  335
301 Thr Lys Met Leu Cys Ala Ala Asp Pro Gln Trp Lys Thr Asp Ser Cys
302          340                  345                  350
305 Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Ser Leu Gln Gly Arg Met
306          355                  360                  365
309 Thr Leu Thr Gly Ile Val Ser Trp Gly Arg Gly Cys Ala Leu Lys Asp
310       370                  375                  380
313 Lys Pro Gly Val Tyr Thr Arg Val Ser His Phe Leu Pro Trp Ile Arg
314 385                 390                  395                  400
317 Ser His Thr Lys Glu Glu Asn Gly Leu Ala Leu
318              405                  410
321 <210> SEQ ID NO: 17
322 <211> LENGTH: 9
```

RAW SEQUENCE LISTING   DATE: 08/13/2004
PATENT APPLICATION: **US/10/828,531**   TIME: 16:08:29

Input Set : **A:\NASA00301.ST25.txt**
Output Set: **N:\CRF4\08132004\J828531.raw**

```
323 <212> TYPE: PRT
324 <213> ORGANISM: Peptide          —Same error
326 <400> SEQUENCE: 17
328 Ala Asp Asp Gly Lys Lys Pro Ser Ser
329 1               5
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VERIFICATION SUMMARY   DATE: 08/13/2004
PATENT APPLICATION: **US/10/828,531**   TIME: 16:08:30

Input Set : **A:\NASA00301.ST25.txt**
Output Set: **N:\CRF4\08132004\J828531.raw**